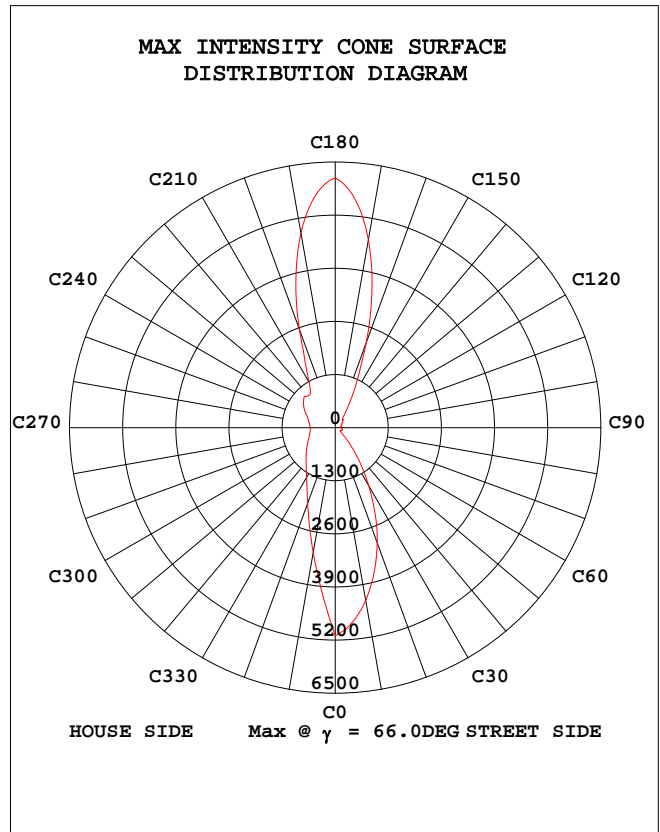
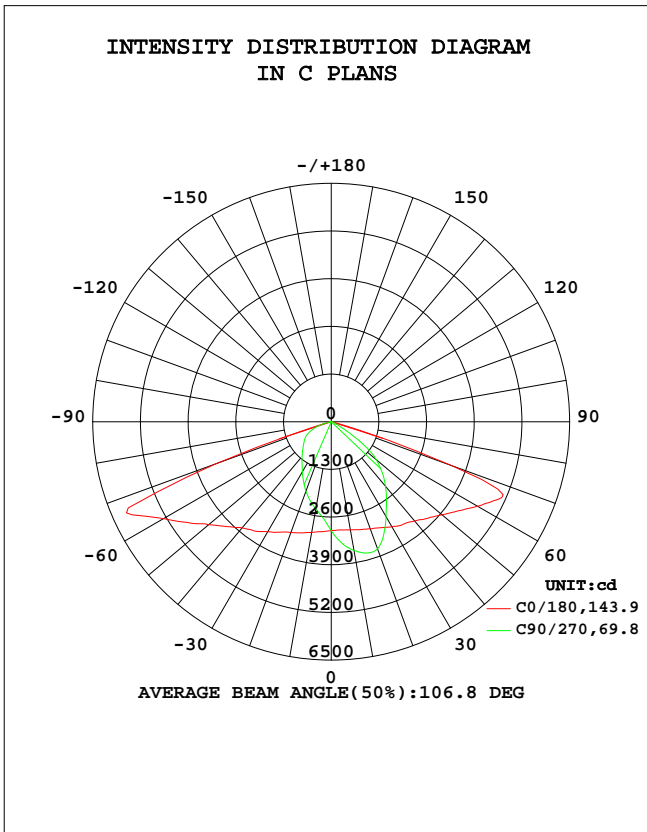


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:20026x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	AN-SLA-120W	I _{max} (cd)	12220	η street_up(%)	0.1
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	55.7
RATED VOLTAGE(V)	18	TOTAL FLUX(lm)	20026	η house_up(%)	0.2
NOMINAL FLUX(lm)	20026	MAXIMUM @(C,γ)	180,66.0	η house_down(%)	44.1
LAMPS INSIDE	1	η up(%)	0.2	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	18	η down(%)	99.8	SLI	19.601

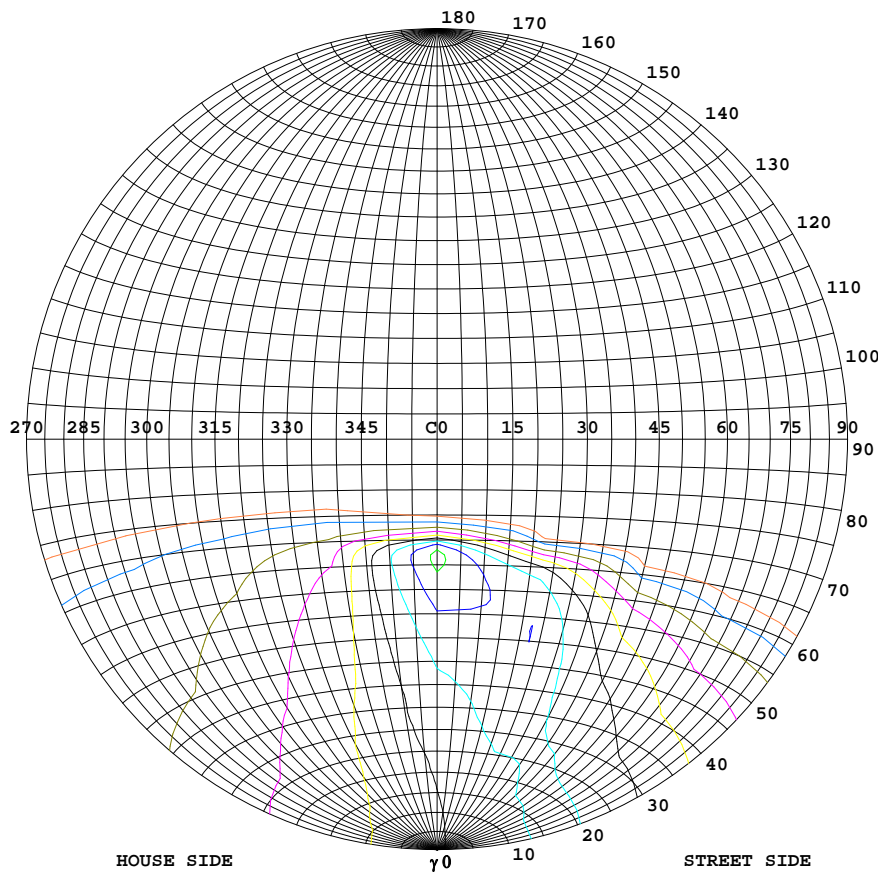


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2019-11-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:65.7%
 Test Distance:26.000m [K=1.3952]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:20026x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A



Classification:

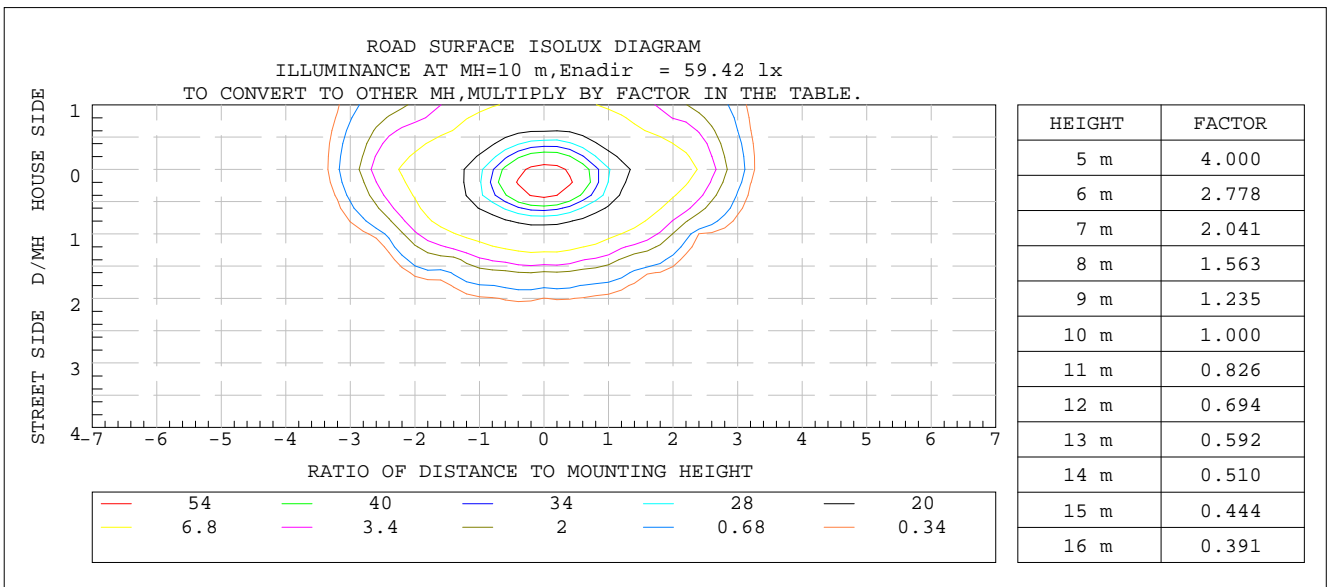
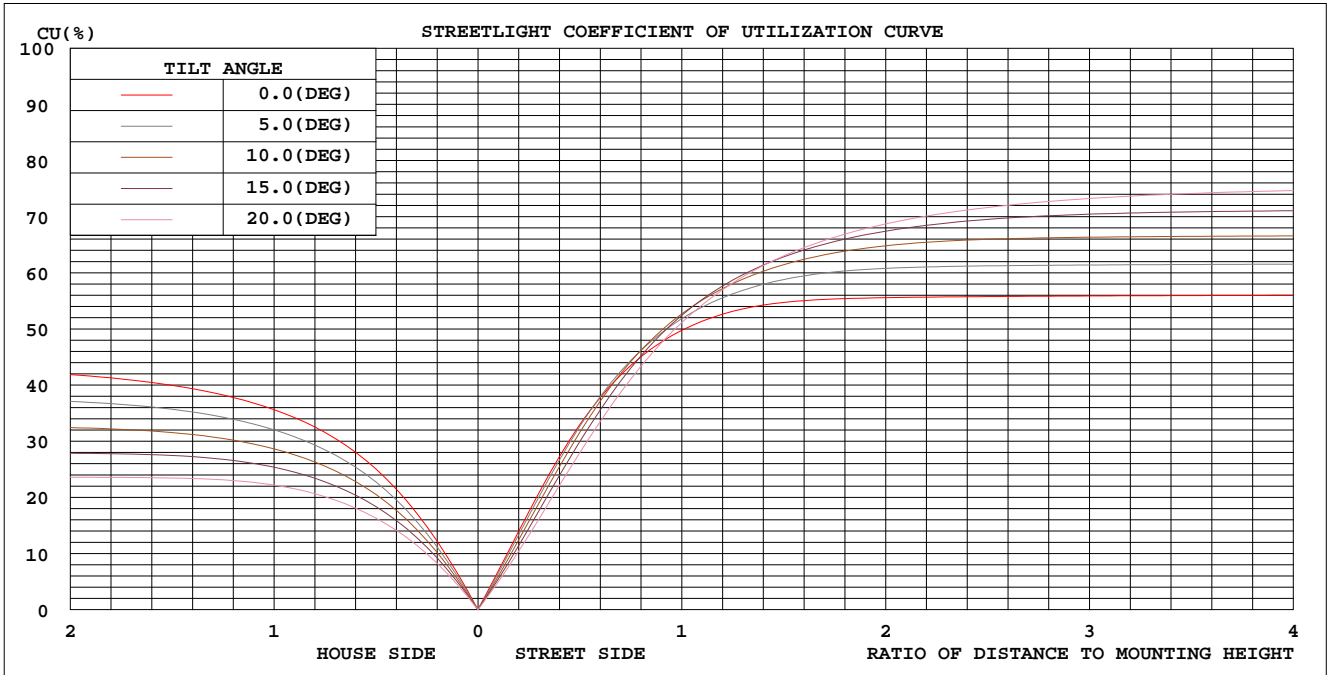
IES:Type I - Short
 CIE:Narrow - Intermediate
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:27.22cd/klm
 Max.At90:0.3674cd/klm
 Max.80-90:27.22cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	12220
90%	10998
80%	9776
70%	8554
60%	7332
50%	6110
40%	4888
30%	3666
20%	2444
10%	1222
5%	610

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2019-11-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:65.7%
 Test Distance:26.000m [K=1.3952]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators: William
Test Date: 2019-11-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
Humidity: 65.7%
Test Distance: 26.000m [K=1.3952]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:20026x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A

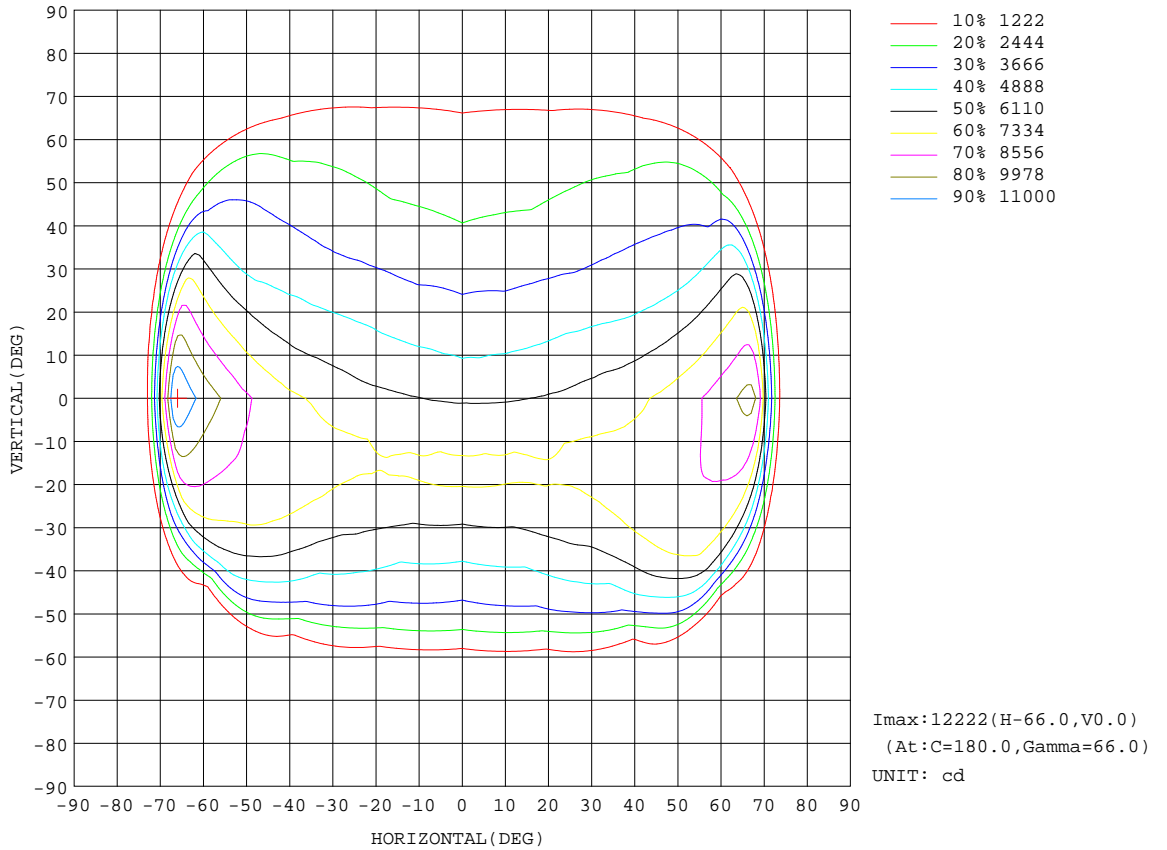
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F ^{zone}	F ^{total}	%lum,lamp
10	6014	6900	7164	6941	6161	5224	4862	5136	0- 10	574.1	574.1	2.85,2.85
20	6247	7443	7409	7445	6464	4800	4060	4645	10- 20	1724.8	2299	11.4,11.4
30	6647	7256	6002	7081	6957	4338	3174	4139	20- 30	2728	5027	25,25
40	7101	6545	4631	6279	7596	3831	2490	3590	30- 40	3435	8462	42,42
50	7937	5357	3220	4995	8778	3310	1987.9	3071	40- 50	3895	12357	61.4,61.4
60	9260	3126	813.4	2575	10627	2734	1602.2	2547	50- 60	3958	16315	81.1,81.1
70	6983	294.7	190.99	263.7	6746	1561.4	926.8	1496.2	60- 70	3079	19394	96.4,96.4
80	141.40	210.2	71.25	166.03	155.49	163.49	108.00	178.97	70- 80	614.5	20010	99.4,99.4
90	2.816	1.7734	0.5968	0.9055	2.808	1.9218	1.1871	2.155	80- 90	73.02	20082	99.8,99.8
100	2.362	0.8836	0.2983	0.5996	7.103	2.366	1.3491	1.0496	90-100	2.573	20084	99.8,99.8
110	5.023	0.8836	0.2983	0.5996	10.934	8.414	11.236	3.901	100-110	3.743	20088	99.8,99.8
120	6.348	2.643	0.2983	0.5996	10.784	13.107	17.455	6.894	110-120	6.213	20094	99.8,99.8
130	9.312	4.565	1.9348	2.848	8.717	14.880	12.550	8.993	120-130	6.510	20102	99.9,99.9
140	11.220	7.198	3.725	3.443	8.717	15.023	9.399	9.901	130-140	7.188	20108	99.9,99.9
150	11.821	9.867	6.860	6.295	9.899	15.023	11.346	11.992	140-150	7.150	20116	99.9,99.9
160	11.968	10.751	8.796	7.495	11.525	15.023	20.46	16.804	150-160	5.521	20120	100,100
170	13.437	14.864	10.591	9.286	13.302	15.469	24.90	17.531	160-170	3.727	20124	100,100
180	14.922	17.676	12.675	10.343	14.627	15.905	18.920	14.542	170-180	1.3837	20126	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2019-11-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:65.7%
 Test Distance:26.000m [K=1.3952]
 Remarks:

ISOCANDELA DIAGRAM

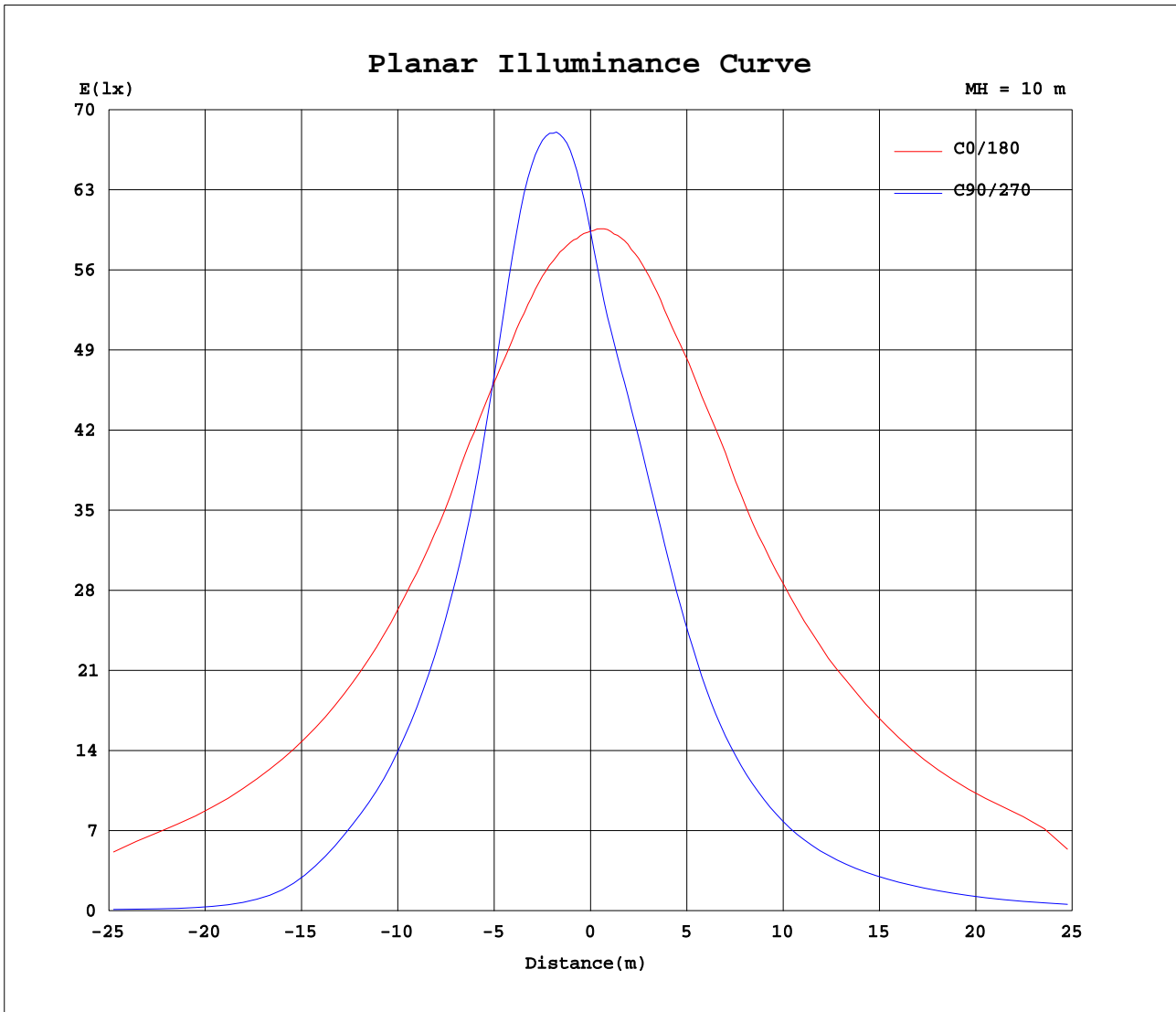
Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:20026x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2019-11-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:65.7%
 Test Distance:26.000m [K=1.3952]
 Remarks:

Planar Illuminance Curve



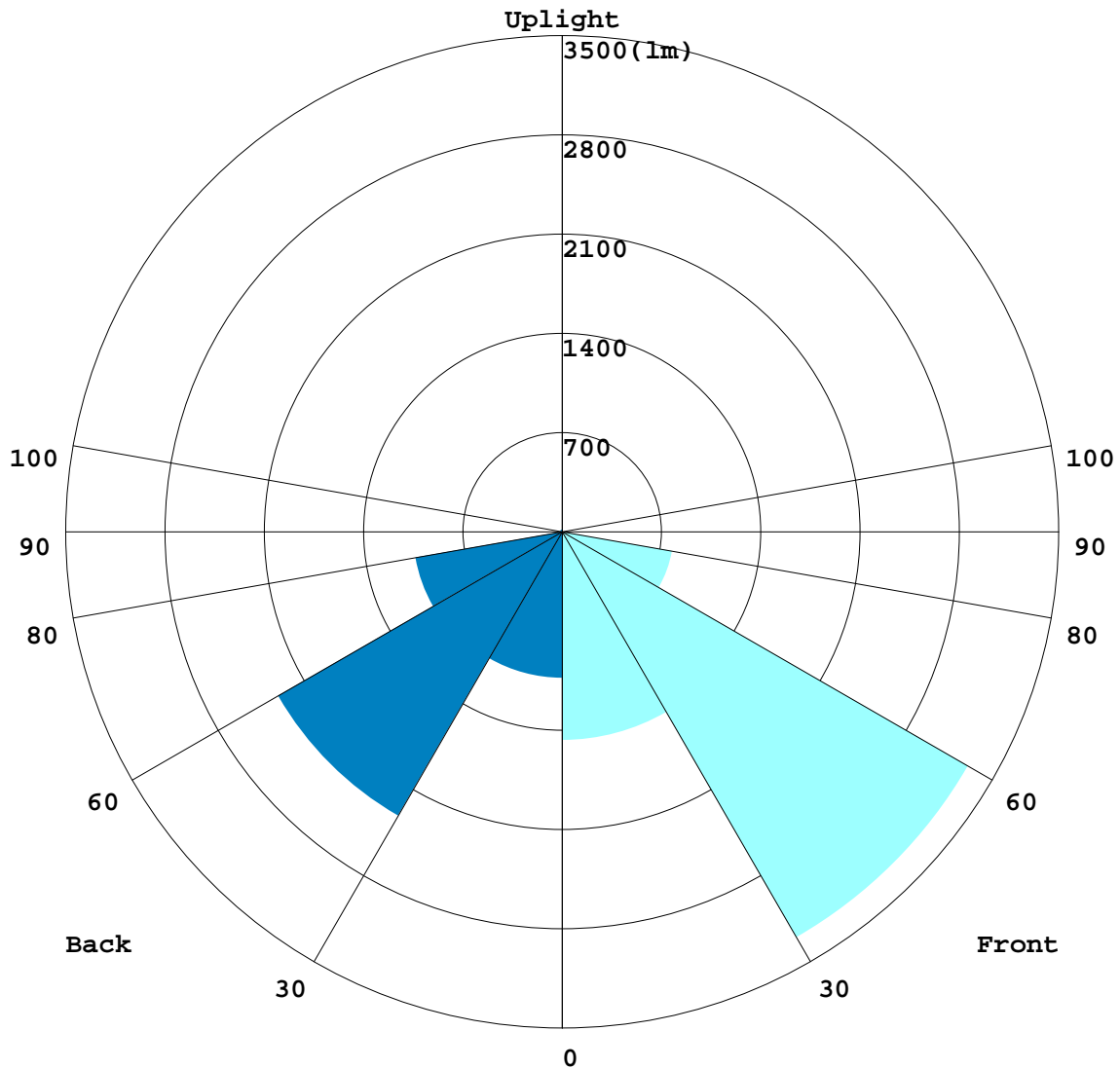
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators: William
Test Date: 2019-11-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
Humidity: 65.7%
Test Distance: 26.000m [K=1.3952]
Remarks:

LCS REPORT

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:20026x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2019-11-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:65.7%
 Test Distance:26.000m [K=1.3952]
 Remarks:

BUG REPORT

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:20026x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2939.1	14.7
FM - Front-Medium(30-60)	6606.4	33.0
FH - Front-High(60-80)	1573.5	7.9
FVH - Front-Very High(80-90)	29.734	0.1
Total Forward Light	11160.2	55.7

BL - Back-Low(0-30)	2062.4	10.3
BM - Back-Medium(30-60)	4626.8	23.1
BH - Back-High(60-80)	2101.4	10.5
BVH - Back-Very High(80-90)	43.499	0.2
Total Back Light	8865.8	44.3

UL - Uplight-Low(90-100)	2.6805	0.0
UH - Uplight-High(100-180)	41.614	0.2
Total Up Light	43.895	0.2

BUG(Back,Up,Glare) Rating	B3-U2-G3
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	8833.6	32.12	8865.8
Street Side	11148.8	11.7743	11160.2

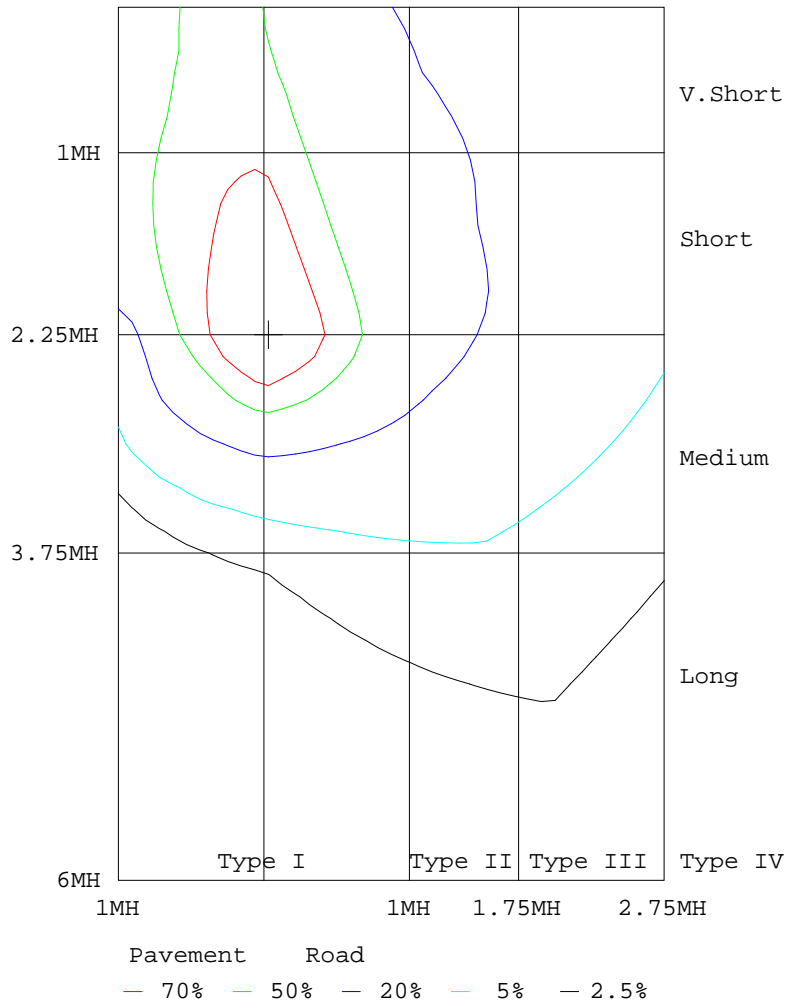
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2019-11-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:65.7%
 Test Distance:26.000m [K=1.3952]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:20026x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:William
 Test Date:2019-11-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity:65.7%
 Test Distance:26.000m [K=1.3952]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:0V I:0A P:0W PF:0 Freq:0Hz Lamp Flux:20026x1 lm		
NAME: All-in-one solar street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Anern Industry Group Limited	SUR.:	Shielding Angle:N/A

Table--1

UNIT: cd

C (DEG) g (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	247.5	292.5	315	337.5			
0	5938	5938	5938	5938	5938	5938	5938	5938	5938	5938	5938	5938	5938	5938	5938	5938			
5	5928	6230	6432	6580	6640	6600	6462	6286	6020	5728	5500	5322	5256	5292	5440	5650			
10	5984	6520	6866	7078	7128	7096	6906	6610	6130	5616	5198	4946	4838	4888	5110	5494			
15	6090	6796	7202	7368	7412	7386	7226	6898	6270	5556	4982	4620	4460	4552	4878	5400			
20	6216	7006	7406	7414	7372	7412	7408	7168	6432	5472	4776	4272	4040	4168	4622	5296			
25	6382	7282	7394	7044	6782	6936	7332	7422	6644	5448	4568	3904	3592	3788	4396	5248			
30	6614	7612	7220	6348	5972	6242	7046	7688	6922	5456	4316	3518	3158	3394	4118	5186			
35	6828	7832	6904	5668	5254	5552	6662	7866	7282	5356	4078	3166	2780	3046	3856	5078			
40	7066	8070	6512	5038	4608	4906	6248	8006	7558	5240	3812	2864	2478	2746	3572	4936			
45	7442	8342	5980	4414	3942	4284	5658	8052	8092	5152	3556	2608	2210	2490	3306	4770			
50	7898	8552	5330	3718	3204	3566	4970	7916	8734	5020	3294	2370	1978	2256	3056	4584			
55	8468	8494	4498	2734	2076	2536	4094	7468	9574	4818	3024	2150	1794	2042	2808	4342			
60	9214	7940	3110	1254	810	1104	2562	6586	10574	4600	2720	1924	1594	1826	2534	4080			
65	10032	6154	996	438	286	382	782	4254	12004	4214	2276	1572	1304	1490	2136	3700			
70	6948	856	294	218	190.0	210	262	414	6712	2876	1554	1100	922	1064	1488	2618			
75	508	198.2	224	173.0	121.0	163.6	220	170.2	366	782	612	464	350	478	674	896			
80	140.6	117.0	210	123.0	71.0	111.6	165.2	111.0	154.8	260	162.6	161.4	107.4	157.8	178.0	272			
85	51.6	58.2	95.6	44.0	13.36	33.6	51.6	50.6	48.0	91.4	51.4	102.0	75.8	93.0	61.0	96.6			
90	2.80	3.68	1.76	0.88	0.60	0.74	0.90	2.24	2.80	2.20	1.92	1.80	1.18	1.82	2.14	2.82			
95	2.06	2.04	1.02	0.44	0.30	0.44	0.74	1.64	4.12	3.22	1.62	1.18	0.60	0.60	0.90	1.64			
100	2.34	1.60	0.88	0.44	0.30	0.44	0.60	1.48	7.06	6.88	2.36	1.78	1.34	1.04	1.04	54.00			
105	4.26	1.60	0.88	0.44	0.30	0.44	0.60	1.34	9.58	10.84	4.98	5.64	4.90	2.70	1.96	5.38			
110	5.00	2.20	0.88	0.44	0.30	0.44	0.60	1.34	10.88	12.72	8.38	11.68	11.18	5.54	3.88	7.90			
115	5.00	2.34	1.02	0.44	0.30	0.44	0.60	1.48	10.88	12.72	11.44	15.96	16.20	8.22	5.38	7.90			
120	6.32	2.92	2.64	1.02	0.30	0.44	0.60	1.94	10.72	12.72	13.04	17.56	17.36	10.30	6.86	7.90			
125	8.96	4.68	3.06	2.64	1.04	0.74	1.34	54.00	9.56	11.84	13.48	14.62	14.54	8.06	7.46	7.90			
130	9.26	5.84	4.54	2.66	1.92	1.50	2.84	2.82	8.68	10.54	14.80	21.2	12.48	9.70	8.94	7.90			
135	9.40	6.42	4.98	4.28	52.00	2.38	2.84	3.72	8.68	10.54	14.94	30.8	12.02	16.94	9.26	7.90			
140	11.16	8.04	7.16	5.60	3.70	3.28	3.42	4.92	8.68	10.54	14.94	33.4	9.36	27.4	9.86	8.34			
145	11.62	9.50	8.20	7.08	4.90	5.08	5.06	5.22	8.68	10.82	14.94	31.8	9.66	29.2	11.04	8.64			
150	11.76	10.54	9.82	8.40	6.82	5.66	6.26	6.40	9.86	11.70	14.94	30.2	11.30	22.8	11.94	9.38			
155	11.90	10.68	10.26	9.30	7.56	6.72	7.46	7.44	10.74	12.14	14.94	27.2	13.06	14.60	12.68	10.58			
160	11.90	10.82	10.70	9.88	8.76	7.32	7.46	7.60	11.46	12.30	14.94	22.2	20.4	13.88	16.72	11.46			
165	11.90	11.70	12.46	12.68	9.50	8.06	7.60	7.60	12.50	12.58	15.10	19.18	25.0	14.34	17.46	12.06			
170	13.36	13.30	14.78	14.90	10.54	10.30	9.24	8.48	13.24	13.32	15.40	18.74	24.8	14.18	17.44	12.06			
175	14.84	15.50	16.70	16.52	11.88	12.38	10.14	9.68	14.70	14.78	15.82	18.30	21.8	13.74	15.50	10.72			
180	14.84	15.80	17.58	19.32	12.62	14.74	10.30	10.12	14.56	14.78	15.82	17.40	18.82	12.84	14.46	10.28			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators: William
 Test Date: 2019-11-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 65.7%
 Test Distance: 26.000m [K=1.3952]
 Remarks: